

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 4, line 14, as follows:

However, according to the navigation system described in Japanese Laid-Open Patent Publication No. 2001-204062, Dedicated Short Range Communications (DSRC) base stations are provided as wireless base stations, and the position of the portable terminal can be identified only within the area covered by the DSRC base station with which the portable terminal is communicating in particular, making the provision for precise route guidance difficult if not impossible. In addition, the ~~said~~ navigation system suffers from the limitation that it cannot be combined with other navigation systems capable of carrying out unrestricted route searches.

Please amend the paragraph beginning at page 4, line 23, as follows:

Moreover, according to this navigation system, while the user is walking, the DSRC portable terminal successively transmits information on the user's position back to the center station, and the center station delivers route data to the user by causing the DSRC portable terminal to vibrate as a means of notification. As a method of route instruction, the DSRC portable terminal vibrates for such length of time and for such number of times to signify a turn to be made at a corner, going up or down the stairs, or in combination with a traffic signal, but the route instructions are provided only upon arrival at a certain location. Accordingly, guidance information cannot be provided in advance, for example, information on the distance required to be traversed (e.g., 70m) before a guide point, such as ~~in an~~ intersection.

Please amend the paragraph beginning at page 5, line 7, as follows:

In the case of a pedestrian navigation device constituted in a mobile phone with a GPS receiver, ~~and~~ navigation information in the form of maps and route guidance information is accessed from an information delivery server, ~~a~~. A user generally carries the mobile phone in his

pocket or the like while walking, and takes out the mobile phone to view a display screen or to make or receive a phone call if necessary. The user carries out a similar operation to obtain navigation guidance information through the facility of the display screen of the mobile phone. This is not exactly convenient, because the user should preferably travel along a guided route, and walk while checking a map, a route, a present position, and the like shown on the display screen of his mobile phone at specified guide points or locations such as an intersection accompanying a left or right turn, or the neighborhood of the intended destination. In addition to the guiding method by which visual images are shown on the display screen, however, it would be preferable if the mobile phone is also capable of providing guidance even through non-visual means, and equipped with notifying means other than that normally employed for alerting the user that guidance information is about to be relayed or otherwise available visually.

Please amend the paragraph beginning at page 9, line 2, as follows:

a network that permits the pedestrian navigation device and the server to communicate with each other, ~~characterized in that:~~

~~the pedestrian navigation device is the pedestrian navigation device according to any of claims 1 to 5.~~

Please amend the paragraph beginning at page 9, line 14, as follows:

~~the pedestrian navigation device is the pedestrian navigation device according to claim 2,~~
~~and~~ downloads the vibration pattern from the server.

Please amend the paragraph beginning at page 10, line 17, as follows:

The program according to the first mode of the present invention is such that it induces a mobile phone to navigate a pedestrian route, characterized in that the mobile phone performs the function of the pedestrian navigation device ~~according to any of claims 1 to 5.~~

Please amend the paragraph beginning at page 10, line 21, as follows:

Further, the program according to the first mode of the present invention is such that it induces a mobile phone to navigate a pedestrian route, characterized in that the mobile phone performs the function of processing carried out by means of the pedestrian navigation method ~~according to any of claims 9 to 13.~~

Please amend the paragraph beginning at page 13, line 8, as follows:

a network that permits the pedestrian navigation device and the server to communicate with each other, ~~characterized in that:~~

~~the pedestrian navigation device is the pedestrian navigation device according to any of claims 16 to 18.~~

Please amend the paragraph beginning at page 13, line 20, as follows:

~~the pedestrian navigation device is the pedestrian navigation device according to any of claims 16 to 18, and~~ downloads a voice pattern corresponding to the guide voice from the server.

Please amend the paragraph beginning at page 13, line 23, as follows:

Further, the pedestrian navigation system according to this mode of the invention ~~refers to the pedestrian navigation system according to claim 19 or claim 20, is~~ characterized in that the network referred to is the Internet or an intranet.

Please amend the paragraph beginning at page 15, line 6, as follows:

The program according to the second mode of the present invention is a program that induces a mobile phone as the pedestrian navigation device to navigate a pedestrian route, characterized in that ~~the mobile phone performs the function of the pedestrian navigation device according to any of claims 16 to 18.~~

Please amend the paragraph beginning at page 15, line 10, as follows:

In addition, the program according to the second mode of the present invention is a program that induces a mobile phone to navigate a pedestrian route, characterized in that the mobile phone performs the function of processing carried out by the pedestrian navigation method according to claim 22 or claim 23.

Please amend the paragraph beginning at page 17, line 3, as follows:

FIG. 3 is a drawing ~~shows~~ showing the steps involved in the production of a voice guide, in which flowchart FIG. 3a illustrates the generation of a voice guide and drawing FIG. 3 b is the corresponding timing chart thereof.

Please amend the paragraph beginning at page 17, line 9, as follows:

FIG. 5 is a drawing ~~shows~~ showing the steps involved in the production of the voice guide referred to in the pedestrian navigation device represented in FIG. 4, in which flowchart FIG. 5a illustrates the generation of a voice guide and drawing FIG. 5 b is the corresponding timing chart thereof.

Please amend the paragraph beginning at page 19, line 10, as follows:

~~FIG. 2 is a flowchart showing the~~ The processing function carried out in accordance with the pedestrian navigation method subject of the present invention, ~~comprising~~ includes the following steps.

Please amend the paragraph beginning at page 22, line 8, as follows:

When the voice guide such as voice guidance or the predetermined instruction voice is outputted when the respective vibration patterns are generated in step 204, the user may find the voice guidance inaudible even if he recognizes the vibration pattern and pays attention thereto. For instance, if ~~the~~ there is ambient noise in the vicinity of the user's present position, he may

not be able to hear the voice guidance from inception even if he brings the portable terminal or the like close to the ear. Accordingly, depending on the internal specification of the mobile phone, the startup of the vibration may be configured as a function call to allow instantaneous processing, such that the mobile phone may vibrate and signal the start of the voice guidance almost at the same time even if the vibration period is set to one second as shown in the flowchart in Fig. 3(a) and the timing chart in Fig. 3(b). This problem normally ensues in the case of the conventional mobile phone where vibration was merely intended to serve the function of a ring tone, and not for the purpose of operating in combination with another function.

Please amend the paragraph beginning at page 26, line 1, as follows:

While description of the pedestrian navigation devices and the pedestrian navigation methods according to the present invention has been made above, it is possible to apply the program subject of the same invention for navigating a pedestrian route to a portable terminal constituted by a mobile phone, as the ~~said~~ program can induce the mobile phone to perform the functions of the afore-described pedestrian navigation devices and carry out processing in accordance with the afore-mentioned pedestrian navigation methods.